



REPLY TO  
ATTENTION OF

DEPARTMENT OF THE ARMY  
CHARLIE COMPANY, 554<sup>th</sup> ENGINEER BATTALION  
U.S. ARMY ENGINEER SCHOOL  
FORT LEONARD WOOD, MISSOURI 65473-8941

ATSE-DEC

27 April 2006

MEMORANDUM FOR All Personnel Assigned/Attached to C/554<sup>th</sup> and HHC/554<sup>th</sup> EN BN

SUBJECT: Certification of Sapper Task Proficiency

1) PURPOSE: To outline mandatory tasks that must be met prior to attending the Sapper Leader Course (SLC).

2) Pre-Requisites: **All tasks must be met NLT 30 days prior to the SLC start date.**

- Train-up programs must be in groups of two or more, NO INDIVIDUAL TRAIN UP IS AUTHORIZED. Joining an EOBC preparation program is encouraged if times/programs align. Train up length should be no less than 90 days prior the SLC start date.
- **APFT** (min of 270 points 90 points in each event) Must meet this criteria at the ECCC final APFT or 30 days before the Sapper Class start date if participating in the graduate degree program.
- **Combat Water Survival Test** (See SLC WebSite for details on testing)
- **5 Mile Run** (8-minute/mile pace—must complete in 40 minutes)
- **12 Mile Foot March** (must complete in 3 hours with 35 lb rucksack)
- **Day and Night Land Navigation** (Must meet the same times and standards using the EOBC course)
- **Watch Hot/Cold weather training video**
- **Be proficient on the below listed tasks**

Operate SINCGARS Single-channel (STP 7-11B1-SM-TG, 113-587-2070)	Prepare SINCGARS (manpack) for operation (STP 7-11B1-SM-TG, 113-587-2064)
Navigate from one point on the ground while dismounted (STP 21-1-SMCT, 071-329-1006)	Load an M16 Series Rifle (STP 21-1-SMCT, 071-311-2027)
Maintain an M240B Machine Gun (STP 21-1-SMCT, 071-312-4025)	Maintain Night Vision Device, AN/PVS-14 (STP 7-11B1-SM-TG, 071-706-0002)
Maintain an M16 Series rifle (STP 21-1-SMCT, 071-311-2025)	Move as a member of a fire team (STP 7-11B1-SM-TG, 071-326-0501)
Unload an M249 Machine Gun (STP 21-1-SMCT, 071-312-4028)	Load an M249 Machine Gun (STP 21-1-SMCT, 071-312-4027)
Prepare a range card for a machine gun (STP 21-1-SMCT, 071-000-0005)	Construct demolition initiating sets (STP 5-12B1-SM, 052-193-1312)
Prime Military Explosives (STP 5-12B1-SM, 052-193-1311)	Identify characteristics of military demolitions and explosives (STP 5-12B1-SM, 052-193-1313)
Construct demolition firing systems (STP 5-12B1-SM, 052-193-1310)	Perform as a member of a patrol (STP 7-11B1-SM-TG, 071-331-0001)
Camouflage yourself and your individual equipment (STP 21-1-SMCT, 052-191-1361)	Unload an M4 or M4A1 carbine (STP 21-1-SMCT, 071-100-0004)

For more info see the SLC WebSite: [http://www.wood.army.mil/sapper/SapperPage\\_files/SapperLeaderCourse.htm](http://www.wood.army.mil/sapper/SapperPage_files/SapperLeaderCourse.htm)

3) POC for this memorandum is the undersigned at (573) 596-0800.

JENNIFER V. THIBEAULT  
CPT, EN  
Commanding



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**DEPARTMENT OF THE ARMY**  
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MEMORANDUM FOR All Personnel Assigned/Attached to C/554<sup>th</sup> and HHC/554<sup>th</sup> EN BN

SUBJECT: Certification of Ranger Task Proficiency

1. **PURPOSE:** To outline the mandatory tasks that must be met prior to Ranger School.
2. **CONCEPT:** Six to eight weeks prior the start of the Ranger school, tests will be conducted on all required tasks. A NO-GO on any one event will result in loss of that individual's Ranger School slot. This slot will be redistributed to another qualified student at the battalion commander's discretion. Students enrolled in the Engineer Captain's Career Course (ECCC) who volunteer to attend Ranger school must achieve proficiency in the 27 Ranger Tasks and mandatory entrance physical requirements, all IAW the Ranger Training Brigade Academic SOP. Each Ranger candidate may conduct their train-up individually or join an Officer Basic Course preparation program. Those who choose to train individually will not be discriminated against due to scheduling conflicts or degree completion. ECCC Students will not be compared to OBC students based on any order of merit, due to the difference in Ranger slot assignments. ECCC students are only required to achieve a GO in each event in order to maintain their slot.
3. **EXECUTION:** Either Alpha or Bravo 554<sup>th</sup> will be overall responsible for the Ranger preparation program, to include the scheduling and execution of required events. ECCC students are highly encourage and expected to join an OBC Ranger preparation program. Those who do not must maintain frequent communication to stay informed of scheduled test dates, training events, and classes.
4. **DEGREE COMPLETION:** Those ECCC students holding a Ranger School slot who is participating in the cooperative graduate degree program are no longer required to attend a regularly scheduled PT formation, but are still required to complete all outlined tasks 6-8 weeks prior their course date. By volunteering to do both, each individual is also volunteering to spend adequate time on each. A graduate degree program will not be a valid excuse for a NO-GO, nor will a scheduled Ranger School test be a valid excuse for missing any graduate classes.
5. **REQUIREMENTS:** Taken from <http://www.benning.army.mil/rtb/RANGER/RgrSchoolPreparation.htm>
  - **APFT** (within 90 days of report date; min 70 points per event, using the 17-21 age group, 49 push-ups, 59 sit-ups, and 15:12 on the run, and 6 chin-ups conducted immediately following the 2-mile run)

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- **Combat Water Survival Test** consisting of:

**15 Meter Swim:** Swim 15 meters with rifle, wearing BDU's, boots, and Load Carrying Equipment (LCE) consisting of pistol belt, suspenders, two ammunition pouches and two full canteens; without loss of rifle and equipment.

**3 Meter Drop:** Walk blindfolded off a 3-meter diving board with rifle and LCE. After entering the water, remove blindfold and swim to poolside without loss of rifle or equipment

**Equipment Removal:** Starting at poolside, enter the water and immediately submerge, discard rifle and remove LCE prior to surfacing and swim to poolside. You cannot be touching any of your equipment when you surface.

NOTE: All swim events must be accomplished without showing fear.

- **5 Mile run** (8 minute, + or - 15 sec pace per mile) in formation over rolling terrain; 40 minutes (+ - 15 sec) total run time
- **Complete Medical Records**
- **Current Ranger Physical**
- **Current Dental Panorex**
- **Day/Night Combined Land Navigation:** Must find 5 of 6 points in five hours. Uniform is BDUs, Boots, Patrol Cap, LCE, and Weapon.
- **14.5 Mile Foot March:** BDU/ACUs, boots, LCE, weapon, and Rucksack (Seasonal Packing List i.e. all equipment issued to a Ranger Student) in 6.5 hours or less (17-24 minute pace).
- **Ranger Common Tasks:** Knowledge of the 27 Ranger Common Tasks will directly affect the Patrolling grades and Peer Evaluations of each Ranger Student. Ranger candidates need a base knowledge of these tasks in order to be an asset to your squad and platoon while patrolling. Do not become a liability to your squad or platoon because you could not perform one of these common tasks.
  1. Maintain a M240B MG
  2. Maintain a M249 MG
  3. Load, Fire, Reduce Stoppage, unload, and clear a M240B MG
  4. Load, Fire, Reduce Stoppage, unload, and clear a M249 MG
  5. Prepare a Range Card, M240B MG
  6. Employ an M18A1 Claymore mine
  7. Place into operation and troubleshoot AN/PRC-119/119A Radio
  8. Send a Radio Message
  9. Use night vision devices AN/PVS 7's, 14's
  10. Call for and Adjust Fire
  11. Camouflage yourself and your individual equipment
  12. Navigate from one point on the ground to another point while dismounted
  13. Determine grid coordinates of a point on a military map
  14. Determine a magnetic azimuth using a lensatic compass
  15. Determine the elevation of a point on the ground using a map
  16. Determine a location on the ground by Terrain association
  17. Measure distance on a map
  18. Convert azimuths
  19. Determine azimuth using a protractor

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20. Orient a map using a lensatic compass
21. Orient a map to the ground by map-terrain association
22. Locate an unknown point on a map and on the ground by intersection
23. Locate an unknown point on a map and on the ground by resection
24. Practice preventive medicine
25. Prepare an M136 launcher for firing
26. Operate a AN/PSN-11 (PLGR)
27. Operate an ANCD
- 28.

- **Battle Drills:** These are an essential part of a Ranger student's success during Ranger School. Your knowledge of and ability to execute these battle drills directly influence the Ranger Instructor's assessment of your leadership ability as well as your overall patrolling grades. More importantly, your peers will look to you for guidance when in a leadership position and will evaluate you at the end of each phase. You should have a base knowledge of these battle drills and be able to execute them as both a **leader** and a member of a team. FM 7-8 Battle Drills

1. Platoon Attack
2. Squad Attack
3. React to Contact
4. Break Contact
5. React to Ambush
6. Knock out a Bunker
7. Enter Building/Clear Room
8. Enter/Clear a Trench
9. Conduct Initial Breach of a Mined Wire Obstacle

Additional information can be found at <http://www.benning.army.mil/rtb/rtbmain.asp>

6. The Battalion commander will be the appeal authority for any contested events or request for re-tests. A student receiving a NO-GO will be counseled by the Battalion Commander to remove the slot at which time any appeals will be heard.
7. POC for this memorandum is the undersigned @ (573) 596-0800.

JENNIFER V. THIBEAULT  
CPT, EN  
Commanding